

**Numeracy Test    EXEMPLAR TEST    30 minutes    No calculator allowed.**

**You may use paper for your working out. All correct answers are worth one mark.**

**Question 1**

Teachers organised activities for three classes of 24 pupils and four classes of 26 pupils.

What was the **total number of pupils** involved?

**Question 2**

As part of a science lesson, pupils were asked to stretch a spring to extend its length by 50 per cent.

The original length of the spring was 30 centimetres.

What should be the length of the extended spring? **Give your answer in centimetres.**

**Question 3**

A parents' evening was planned to start at 15:45. There were 20 consecutive appointments of 10 minutes each and a break of 15 minutes during the evening. At what time was the parents' evening due to **finish**? **Give your answer using the 24-hour clock.**

**Question 4**

For a science experiment a teacher needed 80 millilitres of vinegar for each pupil. There were 30 pupils in the class. Vinegar comes in 1000 millilitre bottles.

**How many bottles** of vinegar were needed?

**Question 5**

The morning session in a school began at 09:25. There were three lessons of 50 minutes each and one break of 20 minutes. At what time did the morning session end? **Give your answer using the 24-hour clock.**

**Question 6**

In a class of 24 pupils, 4 need additional support.

What **fraction** of the class needs additional support? Give your answer in its **lowest terms**.

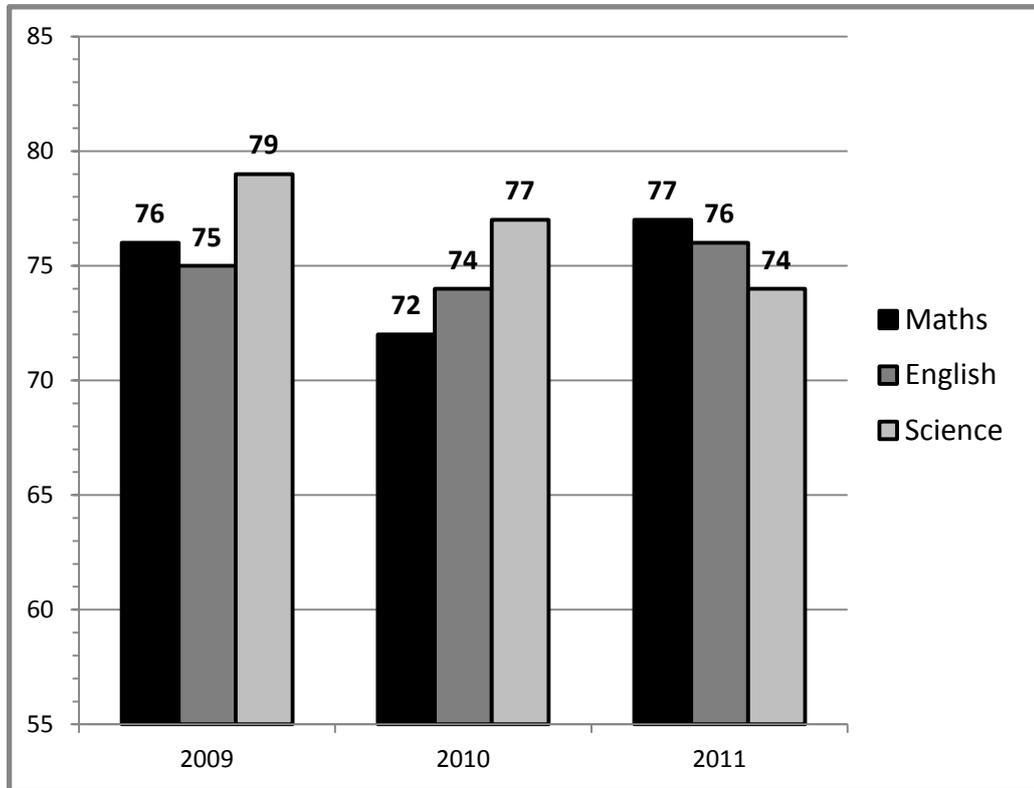
**Question 7**

What is **642 divided by 3**?



### Question 12

The graph below shows the teacher assessments for the percentage of pupils achieving Level 4 or above at Key Stage 2 in a primary school.



Use the graph to decide which of the following statements are **true** for achievement at Level 4 or above:-

- A. The percentage of pupils achieving Level 4 or above in English has increased for each year shown
- B. In 2011, 77% of pupils achieved Level 4 or above in Maths
- C. The median average percentage for Science achievement in this period is 77%

### Question 13

A PE teacher orders 30 new bibs costing £3.99 each. What is the **total cost** of these bibs?

### Question 14

A school trip was planned at a total cost of £100 per pupil. The accommodation cost three fifths of the total.

What was the **cost of the accommodation per pupil**?

**Question 15**

At a staff meeting the Headteacher presented the following table, showing the number of pupils in each class in a school who are having Numeracy support lessons.

What **percentage** of pupils in the school is having Numeracy support lessons?

Class	Number of pupils	Number of pupils having Numeracy support lessons
P	24	4
V	26	3
T	26	2
M	24	2

**Question 16**

A school's policy for Key Stage 2 was to set 3 hours of homework per week.

What was the **mean average number of minutes** to be spent on homework per **weekday** evening?

**Question 17**

A teacher is planning a trip to see a play in a nearby city. She has been given details of costs and travel. There are 20 pupils in the group. Group booking for 20 theatre tickets costs £160, return train tickets cost £6 each.

**How much will each pupil have to pay** for the outing to cover the cost of travel and a theatre ticket?

**Question 18**

A pupil's mean average GCSE points score is calculated by dividing their total points gained across all subjects by the number of GCSE examinations taken. The table below shows all of Kate's results in 2011. Use the table to help calculate Kate's **mean GCSE points score**

Grade	Points per grade	Number of results at each grade	Total points per grade
A*	58	1	58
A	52	3	156
B	46	1	46
C	40	5	200
TOTAL		10	460

**Numeracy Test****EXEMPLAR TEST****ANSWER SHEET****Fill in the answers only in the spaces provided**

Name: .....

Subject area: .....

Question number	Answer
1	pupils
2	cm
3	
4	bottles
5	
6	
7	
8	£
9	%
10	£

Question number	Answer
11 a	
11 b	years months
11 c	months
12	True statements:-
13	£
14	£
15	%
16	minutes
17	£
18	points

Total score =

**Numeracy Test****EXEMPLAR TEST ANSWERS****ONE MARK FOR EACH CORRECT ANSWER**

Question number	Answer
1	176 pupils
2	45 cm
3	19:20
4	3 bottles
5	12:15
6	—
7	214
8	£ 84
9	32 %
10	£ 200

Question number	Answer
11 a	—
11 b	6 years 10 months
11 c	13 months
12	True statements:- B and C
13	£ 119.70
14	£ 60
15	11 %
16	36 minutes
17	£ 14
18	46 points

**Maximum score = 20**